

Activity 05 - Volumes

de Padua, Jean Abigail d. | 201801325

Setting up server

```
Microsoft Windows [Version 10.0.19041.1052]
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C:\Users\Abby0803>cd D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 httpd:2.4
Docker: Error response from daemon: Conflict. The container name "/apache" is already in use by container "1c7e066feb05042ce07168e2d1e0ca10937f63f84347ebfe02c3e07ecb3f9b1". You have to remove (or rename) that c
ontainer to be able to reuse that name.
See 'docker run --help'.

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker cp index.html apache:/usr/local/apache2/htdocs/

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 httpd:2.4
3de1387d3f398fd56c04d5ff250cab594c50b92787efbe7732458192a7450f8

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>
```

Managing volumes

```
D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker volume ls
DRIVER      VOLUME NAME

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker volume create myvolume
myvolume

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker volume ls
DRIVER      VOLUME NAME
local       myvolume

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker volume rm myvolume
myvolume

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker volume ls
DRIVER      VOLUME NAME

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>
```

Mounting volumes on containers

```
D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker volume create httpd_htdocs
httpd_htdocs

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
Docker: Error response from daemon: Conflict. The container name "/apache" is already in use by container "3de1387d3f398fd56c04d5ff250cab594c50b92787efbe7732458192a7450f8". You have to remove (or rename) that c
ontainer to be able to reuse that name.
See 'docker run --help'.

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker cp index.html apache:/usr/local/apache2/htdocs/

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker stop apache
apache

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
c39f18cd323538ba0b4b73561d4388732a4e5a4dedb0b84e04a7a38347f4e14

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\ME8_Containerization_and_Docker\5-volumes>
```

Mounting host directories on containers

```
D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\VE8 Containerization_and_Docker\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
904667e80d0053206d62cfeba9302c13fc045b44e9806de5dc4c36930ea737b3

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\VE8 Containerization_and_Docker\5-volumes>curl localhost
html<body><h1>It works in Docker!</h1></body></html>

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\VE8 Containerization_and_Docker\5-volumes>curl localhost
html<body><h1>It works in Docker! emss</h1></body></html>

D:\[02] 3rd Year Second Sem\[04] CoE 197\[08] Week 10\VE8 Containerization_and_Docker\5-volumes>docker stop apache
apache
```



index - Notepad

File Edit Format View Help

```
<html><body><h1>It works in Docker! emss</h1></body></html>
```